## IN THE CLAIMS:

Please amend Claims 1 and 9 as follows.

1. (Currently Amended) A substrate structure which is a precursor to an electron source, and on which an electron-emitting device of the electron source is to be disposed, comprising:

a substrate; and

an insulating material film provided on said substrate,

wherein said insulating material film comprises a plurality of metallic oxide particles having an average particle size within a range of 6 nm to 60 nm as expressed in a median value,

wherein said substrate structure is a precursor to an electron source, and said insulating material film has a surface on which an electron-emitting device of the electron source is to be arranged.

- 2. (Previously Presented) The substrate structure according to claim 1, wherein said insulating material film further comprises phosphorus.
- 3. (Previously Presented) The substrate structure according to claim 1, wherein said insulating material film comprises phosphorus in 1 weight portion to 10 weight portions.
  - 4. (Previously Presented) The substrate structure according to any one of

claims 1 to 3, wherein a thickness of said insulating material film is within a range of 200 nm to 600 nm.

- 5. (Previously Presented) The substrate structure according to any one of claims 1 to 3, wherein a thickness of said insulating material film is within a range of 300 nm to 400 nm.
- 6. (Previously Presented) The substrate structure according to any one of claims 1 to 3, wherein on said insulating material film, a film comprising an insulating material is further laminated.
- 7. (Previously Presented) The substrate structure according to claim 6, wherein a thickness of the film comprising the insulating material is within a range of 20 nm to 150 nm.
- 8. (Previously Presented) The substrate structure according to claim 6, wherein a thickness of the film comprising said insulating material is within a range of 40 nm to 100 nm.
- 9. (Currently Amended) A substrate structure which is a precursor to an electron source, and on which an electron-emitting device of the electron source is to be disposed, comprising:

a substrate; and

an SiO<sub>2</sub> film provided on said substrate,

wherein said  $SiO_2$  film comprises a plurality of metallic oxide particles having an average particle size within a range of 6 nm to 60 nm as expressed in a median value;

wherein said substrate structure is a precursor to an electron source, and said SiO<sub>2</sub> film has a surface on which an electron-emitting device of the electron source is to be arranged.

- 10. (Previously Presented) The substrate structure according to claim 9, wherein said  $SiO_2$  film further comprises phosphorus.
- 11. (Previously Presented) The substrate structure according to claim 9, wherein said SiO<sub>2</sub> film further comprises phosphorus in 1 weight portion to 10 weight portions.
- 12. (Previously Presented) The substrate structure according to claim 9, wherein a thickness of said SiO<sub>2</sub> film is within a range of 200 nm to 600 nm.
- 13. (Previously Presented) The substrate structure according to claim 9, wherein a thickness of said SiO<sub>2</sub> film is within a range of 300 nm to 400 nm.

- 14. (Previously Presented) The substrate structure according to claim 9, wherein on said SiO<sub>2</sub> film a film comprising an SiO<sub>2</sub> film is further laminated.
- 15. (Previously Presented) The substrate structure according to claim 14, wherein a thickness of the film comprising said  $SiO_2$  film is within a range of 20 nm to 150 nm.
- 16. (Previously Presented) The substrate structure according to claim 14, wherein a thickness of the film comprising said  $SiO_2$  film is within a range of 40 nm to 100 nm.
- 17. (Previously Presented) The substrate structure according to claim 1 or 9, wherein the average particle size as expressed in the median value is within a range of 15 nm to 30 nm.
- 18. (Previously Presented) The substrate structure according to claim 1 or 9, wherein the metallic oxide particles are electron conduction oxide particles.
- 19. (Previously Presented) The substrate structure according to claim 1 or 9, wherein the metallic oxide particles are metallic oxide particles chosen from at least one of the oxides of Fe, Ni, Cu, Pd, Ir, In, Sn, Sb and Re.

- 20. (Previously Presented) The substrate structure according to claim 1 or 9, wherein the metallic oxide particles are particles of SnO<sub>2</sub>.
- 21. (Previously Presented) The substrate structure according to claim 1 or9, wherein said substrate is a substrate comprising sodium.
- 22. (Previously Presented) An electron source comprising a substrate structure and at least one electron-emitting device arranged on said substrate, wherein said substrate structure is the substrate structure according to claim 1 or 9.
- 23. (Previously Presented) The electron source according to claim 22, wherein each of said at least one electron-emitting device is an electron-emitting device comprising a conductive film containing an electron-emitting portion.
- 24. (Previously Presented) The electron source according to claim 22, wherein said at least one electron-emitting device is a plurality of electron-emitting devices that are matrix-wired by a plurality of row-directional wirings and a plurality of column directional wirings.
- 25. (Previously Presented) The electron source according to claim 22, wherein said at least one electron-emitting device is an electron-emitting device comprising a conductive film comprising an electron-emitting portion between one pair of electrodes.

- 26. (Previously Presented) The electron source according to claim 25, wherein the at least one electron-emitting device is a plurality of electron-emitting devices that are matrix-wired by a plurality of row-directional wirings and a plurality of column directional wirings, wherein said one pair of electrodes are composed of a material comprising platinum as a principal component and wherein said wirings are composed of a material comprising silver as a principal component.
- 27. (Previously Presented) An image display apparatus comprising an envelope, at least one electron-emitting device disposed in said envelope on a substrate structure, and an image display member for displaying images by irradiation of at least one electron from said at least one electron-emitting device, wherein the substrate structure is the substrate structure according to claim 1 or 9.
- 28. (Previously Presented) The image display apparatus according to claim 27, wherein said at least one electron-emitting device is an electron-emitting device comprising a conductive film comprising an electron-emitting portion.
- 29. (Previously Presented) The image display apparatus according to claim 27, wherein said at least one electron-emitting device is a plurality of electron-emitting devices that are matrix-wired by a plurality of row-directional wirings and a plurality of column directional wirings.

- 30. (Previously Presented) The image display apparatus according to claim 27, wherein each of said electron-emitting devices is an electron-emitting device comprising a conductive film comprising an electron-emitting portion between one pair of electrodes.
- 31. (Previously Presented) The image display apparatus according to claim 30, wherein the at least one electron-emitting device is a plurality of electron-emitting devices that are matrix-wired by a plurality of row-directional wirings and a plurality of column directional wirings, wherein said one pair of electrodes are composed of a material comprising platinum as a principal component and wherein said wirings are composed of a material comprising silver as a principal component.